

 13281 U.S. PTO	<p style="text-align: center;">UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i></p>	Docket No. XA-9536D Total Pages in this Submission 10
TO THE COMMISSIONER FOR PATENTS Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450		11403 1302050 U.S. PTO 11403
<p>Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> MEMORY CONTROLLER AND DATA PROCESSING SYSTEM </div> <p>and invented by:</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Seiji MIURA Kazushige AYUKAWA </div>		
<p>If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:</p> <p><input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: <u>10/357,412</u></p> <p>Which is a:</p> <p><input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: <u>09/931,860</u></p> <p>Which is a:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____</p> <p>Enclosed are:</p> <p style="text-align: center;">Application Elements</p> <p>1. <input checked="" type="checkbox"/> Filing fee as calculated and transmitted as described below</p> <p>2. <input checked="" type="checkbox"/> Specification having <u>61</u> pages and including the following:</p> <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Descriptive Title of the Invention b. <input type="checkbox"/> Cross References to Related Applications (<i>if applicable</i>) c. <input type="checkbox"/> Statement Regarding Federally-sponsored Research/Development (<i>if applicable</i>) d. <input type="checkbox"/> Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e. <input checked="" type="checkbox"/> Background of the Invention f. <input checked="" type="checkbox"/> Brief Summary of the Invention g. <input checked="" type="checkbox"/> Brief Description of the Drawings (<i>if filed</i>) h. <input checked="" type="checkbox"/> Detailed Description i. <input checked="" type="checkbox"/> Claim(s) as Classified Below j. <input checked="" type="checkbox"/> Abstract of the Disclosure 		

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Application Elements (Continued)

3. Drawing(s) *(when necessary as prescribed by 35 USC 113)*
 - a. Formal Number of Sheets 25 (Figs. 1-27)
 - b. Informal Number of Sheets _____
4. Oath or Declaration
 - a. Newly executed *(original or copy)* Unexecuted
 - b. Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
 - c. With Power of Attorney Without Power of Attorney
 - d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. Application Data Sheet (See 37 CFR 1.76)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. Paper
 - c. Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. Assignment Papers *(cover sheet & document(s))*
10. 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. Certified Copy of Priority Document(s) *(if foreign priority is claimed)***
16. Certificate of Mailing
 - First Class Express Mail *(Specify Label No.):* _____

**A certified copy of Japanese Patent Appln. No. 2000-254245 filed August 21, 2000, for which Applicants hereby claim priority under 35 U.S.C. § 119, was filed in prior Appln. No. 09/931,860.

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Accompanying Application Parts (Continued)

17. Additional Enclosures (please identify below):

Please direct all correspondence in this patent application to Customer No. 181.

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

19. ASSIGNEE INFORMATION

Assignee: Hitachi, Ltd.

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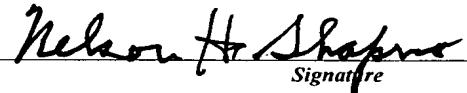
Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	7	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	1	- 3 =	0	x \$86.00	\$0.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				BASIC FEE	\$770.00
OTHER FEE (specify purpose)					\$0.00
				TOTAL FILING FEE	\$770.00

A check in the amount of **\$770.00** to cover the filing fee is enclosed.
 The Director is hereby authorized to charge and credit Deposit Account No. **50-1165** as described below.

Charge the amount of _____ as filing fee.
 Credit any overpayment.
 Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).


Signature

Dated: November 14, 2003

Nelson H. Shapiro, Reg. No. 17,095
Customer No. 181

cc: